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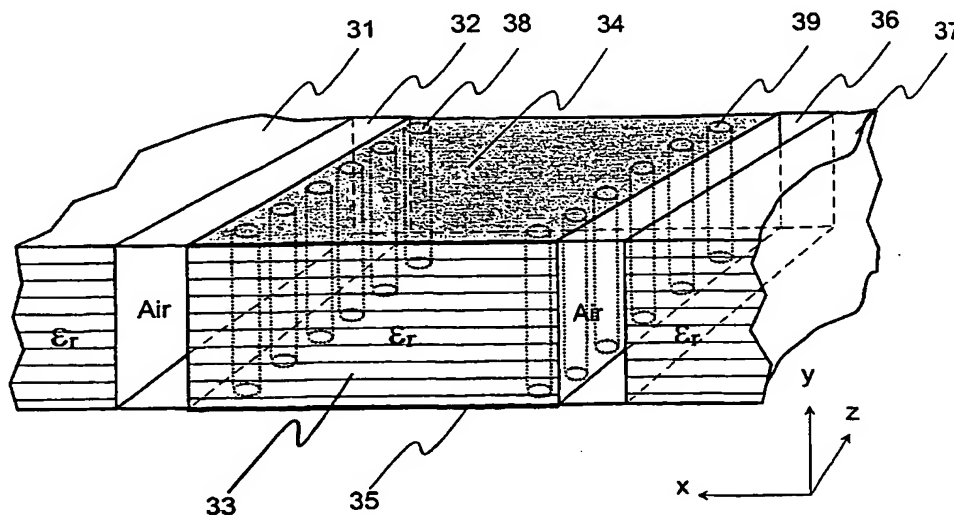
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(54) Title: METHOD FOR CREATING WAVEGUIDES IN MULTILAYER CERAMIC STRUCTURES AND A WAVEGUIDE



(57) Abstract: The invention relates to a waveguide manufacturing method and a waveguide manufactured with the method, which can be integrated into a circuit structure manufactured with the multilayer ceramic technique. The core part (23, 33, 43, 53a, 53b, 53c) of the waveguide is formed by a unit assembled of ceramic layers, which is limited in the yz plane by two impedance discontinuities and in the xz plane by two planar surfaces (24, 25, 34, 35, 54a, 54b, 54c, 55a, 55b, 55c) made of conductive material. The conductive surfaces can be connected to each other by vias made of conductive material (38, 39, 48, 49). The waveguide manufactured with the method according to the invention is a fixed part of the circuit structure as a whole.

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